

PRELIMINARY AMENDMENT

Please add the following claim:

12. A solenoidal skin vibrator comprising a relatively light hollow solenoid tube (20), at least one electric winding (22) on the hollow solenoid tube, and a relatively heavy, freely slideable permanent magnet (24) within the light hollow solenoid tube;

wherein in response to the application of a complex electrical signal (29) to the electric windings a complex mechanical vibration is manifested by the relatively light hollow solenoid tube in reaction to the inertia of the relatively heavy permanent magnet.